What is claimed is:

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1. An optical image retrieval method for detecting an optical image signal reflected from an image contacting surface under a transparent medium, the method comprising steps as follows:

generating a light projected in a vertical direction;

directing the light to a light-splitter unit;

splitting the light with the light-splitter unit and directing a transmitted light passing through the light-splitter unit to the image contacting surface under the transparent medium for producing the optical image signal;

reflecting the optical image signal to the light-splitter unit along an image retrieval optical axis, wherein the image retrieval optical axis overlaps with an optical axis of the transmitted light; and

reflecting the optical image signals returned from the image contacting surface to a lens once or more with the light-splitter unit, the lens focusing the optical image signals to an image detecting element.

- 2. The optical image retrieval method as in claim 1, wherein the transparent medium is glass.
- 3. The optical image retrieval method as in claim 1, wherein images are also retrieved on a non-transparent medium.
- 20 4. An optical image retrieval method, providing:

generating a light and projecting the light in a vertical direction;

directing the light to a light-splitter unit;

directing the light reflected by the light-splitter unit once or more to an image contacting surface under a transparent medium;

reflecting optical image signals to the light-splitter unit, wherein an image retrieval optical axis overlaps with an optical axis of light reflected by the

## light-splitter unit; and

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transmitting the optical image signals returned from the image contacting surface to a lens by the light-splitter unit, wherein the lens focuses the optical image signals onto an image detecting element.

- 5 5. The optical image retrieval method as in claim 4, wherein the transparent medium is glass.
  - 6. The optical image retrieval method as in claim 4, images are also retrieved on a non-transparent medium.
  - 7. An optical image retrieval method, providing:
- generating a light and projecting the light in a horizontal direction; directing the light to a light-splitter;

directing light reflected by the light-splitter to an image contacting surface under a transparent medium;

reflecting optical image signals onto the light-splitter unit, wherein an image retrieval optical axis overlaps with an optical axis of light reflected by the light-splitter;

transmitting optical image signals returned from the image contacting surface to a lens by the light-splitter, wherein the lens will focus the optical image signals onto an image detecting element.

- 20 8. The optical image retrieval method as in claim 7, wherein the transparent medium is glass.
  - 9. The optical image retrieval method as in claim 7, wherein images are also retrieved on a non-transparent medium.
  - 10. An optical image retrieval method, providing:
- generating a light and projecting the light in a horizontal direction; directing the light to a lens unit;

directing the light reflected by the lens unit twice to an image contacting surface under a transparent medium;

reflecting optical image signals to the lens unit, wherein an image retrieval optical axis overlaps with the optical axis of the light reflected twice by the lens unit;

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transmitting light returned from the image contacting surface to a lens by the lens unit, wherein the lens focuses the light onto an image detecting element.

- 11. The optical image retrieval method as in claim 10, wherein the transparentmedium is glass.
  - 12. The optical image retrieval method as in claim 10, wherein images are also retrieved on a non-transparent medium.